



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/042,403	01/09/2002	Glenn C. Godoy	END920010097US1	9024

7590 01/03/2005

John R. Pivnichny, Ph.D.
IBM Corporation, N50/040-4
1701 North Street
Endicott, NY 13760

EXAMINER

NGUYEN, CAM LINH T

ART UNIT	PAPER NUMBER
----------	--------------

2161

DATE MAILED: 01/03/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/042,403	GODOY ET AL.	
	Examiner	Art Unit	
	CamLinh Nguyen	2161	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 13 September 2004.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-19 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-19 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Response to Amendment

1. Applicant's amendments to the drawing are acknowledged. Consequently, objection to the drawing is withdrawn.
2. Applicant's amendments to claims 1 – 19 are acknowledged. Consequently, rejections to the claims 1 – 19 under 35 U.S.C. 112, first and second paragraph are withdrawn.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. Claims 1, 6 – 10, 15 - 19 are rejected under 35 U.S.C. 102(b) as being anticipated by Iyengar et al (U.S. 6,018,627).

♦ As per claim 1, 10, 19,

Iyengar discloses a method of updating business control data comprising:

- “Developing a model of business rules spanning a plurality of applications and building said rules into a common database” See Fig. 1 and 7, col. 3, lines 64 – 65, col. 4, lines 27 – 33. As noted above, a “common database” corresponds to the “repository 20” that stored business information or enterprise modeling. “Business rules” corresponds to the “business modeling” (col. 8, lines 45 – 49). Business rules are derived from the legacy item which including pre-existed applications (col. 3, lines 58 – 63). This includes the meaning of “spanning plurality of application”. And the repository stores all business

rules and relationship between them (col. 4, lines 28 – 33). This data corresponds to the common data between applications.

- “Entering business control data into said common database” See Fig. 7 – 9, col. 9, lines 23 – 48. “Business control data” corresponds to the “business logic data”.
- “Disseminating to a plurality of applications, respective portions of said business control data according to said business rules” col. 3, lines 1 – 2, col. 12, lines 35 – 51.

♦ As per claim 6 - 7, 15 – 16,

- “Wherein said business control data is entered into said common database using a common data administration application” See Fig. 2B - 3, col. 7, lines 29 – 43. “A common data administration application” corresponds to the application window 35.
- “Wherein said common data administration application is adapted to receive input from logged on individuals and from an automated feed from a source system” See Fig. 1. The “legacy integration” corresponds to the source system.

♦ As per claim 8 - 9, 17 – 18,

- “Entering additional rules into said common data administration application” and “Wherein said business control data is entered into said common database according to said additional rules” See Fig. 4 – 9.

Claim Rejections - 35 USC § 103

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims 2 – 5, 11 – 14, are rejected under 35 U.S.C. 103(a) as being unpatentable over Iyengar et al (U.S. 6,018,627) in view of Souder et al (U.S. 5,724,556).

♦ As per claim 2 - 5, 11 – 14,

Iyengar discloses a system for developing business application using the Unified Modeling Language (UML). However, Iyengar does not clearly disclose: Rules are built to define a dissemination structure, wherein said structure has a plurality of instances of said common database; wherein said plurality of instances run on a corresponding plurality of servers located in corresponding geographical locations; wherein said geographical locations are in disparate continents.

Referring to col. 1, lines 21 – 45. Iyengar teaches that each rule or business model can be applied to a particular environment. Iyengar also teaches that the deployment of component over the Internet (col. 11, lines 16 – 46). Clearly, Iyengar implicitly teaches about the uses of plurality of servers located in disparate continents by using the Internet. Therefore, when building the business rules, the rules must define the dissemination structure.

On the other hand, Souder et al (U.S. 5,724,556) discloses a distributed system that includes a distributed modeler for defining business models wherein the business model comprising business locations and the business functions that occur at each business location (See col. 11, lines 40 – 60, Souder). Souder discloses in Fig. 23 that each location only contains specified modules. The table in Fig. 23 corresponds the structure in the instance application. The plurality of instance corresponds to the plurality of location in the table. Each instance can be located in different sites (col. 1, lines 29 – 42, Souder).

It would have been obvious to one with ordinary skill in the art at the time the invention was made to apply the teaching of Souder into the invention of Iyengar because the combination would provide more control in accessing data in different nodes or locations (col. 4, lines 13 – 32, Souder).

Response to Arguments

7. Applicant's arguments filed 09/13/04 have been fully considered but they are not persuasive.

Applicant argues that the Iyengar reference fails to disclose common business control data across multiple applications and integrates that data into the multiple applications. The Examiner respectfully disagrees.

Referring to Fig. 1 and 7, col. 3, lines 64 – 65, col. 4, lines 27 – 33, a “common database” corresponds to the “repository 20” that stored business information or enterprise modeling.

“Business rules” corresponds to the “business modeling” (col. 8, lines 45 – 49). Business rules are derived from the legacy items which including pre-existed applications (col. 3, lines 58 – 63).

This includes the meaning of “spanning plurality of application”. And the repository stores all business rules and relationship between them (col. 4, lines 28 – 33). This relationship data corresponds to the common data between applications. Therefore, Iyengar reference does disclose common business control data across multiple applications and integrates that data into the multiple applications.

Conclusion

8. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

Art Unit: 2161

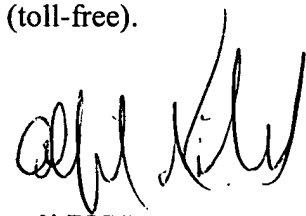
A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to CamLinh Nguyen whose telephone number is (571) 272-4024. The examiner can normally be reached on Monday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Safet Metjahic can be reached on (571) 272-4023. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

LN



ALFORD KINDRED
PRIMARY EXAMINER